

Appendix B: Snow and Ice Removal Policies and Procedures

APPENDIX B DES PLAINES RIVER SNOW & ICE REMOVAL POLICIES & PROCEDURES

| Jurisdiction | Winter Maintenance Policy / Manual (Y/N) | Ever Attended a Lake Co. De-icing Workshop (Y/N) | Calibrate Trucks? (Y/N) | Annual road salt purchased (tons) | Amount of road salt reduced? (Y/N) | Road Salt Alternatives & Practices |
|--------------------------|--|--|--|-----------------------------------|------------------------------------|---|
| Antioch | Yes/ Yes Online | No | N/A | N/A | N/A | Only Solid/Dry Deicing Products Road Salt, Sand, Other Abrasive Materials |
| Antioch Township | No/No | No | N/A | N/A | No | Only Solid/Dry Deicing Products 50/50 Road Salt, Sand, Other Abrasive Materials |
| Arlington Heights | Yes/No | Yes | N/A | N/A | N/A | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Salt Brine; Calcium Chloride; Beet Juice |
| Avon Township | No/ No In development | Yes Send staff annually | Yes - Annually Set Appl. Rates | 800 | Yes | Anti-Icing Used Before Winter Storm Pre-Wetting Operations Products: Therma Point & Organic Blend |
| Beach Park | Yes/No | Yes | Yes - Annually Set Appl. Rates | N/A | Yes | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Beet Juice & Other Mixtures |
| Benton Township | No/No | No | Yes - Annually Set Appl. Rates | N/A | Yes | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Beet Juice & Other Mixtures |
| Bristol, WI | No/No | No | Yes - Annually Set Appl. Rates | 300 | Yes - approx. 10% reduction | Anti-Icing Used Before Winter Storm Only Solid/Dry Deicing Products: Sand |
| Buffalo Grove | Yes/Yes | Yes | Yes - Annually Standard Rate: 200lbs/ lane mile | N/A | Yes - 33% reduction | Anti-Icing Before Winter Storm Pre-Wetting Operations Utilize Liquid Deicing Products |
| Deerfield | Yes/No | Yes | N/A | N/A | Yes | Anti-Icing Before Winter Storm Pre-Wetting Operations Brine; Calcium Chloride |
| Ela Township | Yes/No | Yes | Yes Computerized; monitor road salt rates | 500-700 | Yes | Anti-Icing Before Winter Storm (1-5 Days Before) Pre-Wetting Operations Brine; BEET HEET; Super Mix |
| Glenview | Yes/No | Yes | Yes | 4,000- 5,000 | Yes - 17% - 43% reduction | Anti-Icing Before Winter Storm Pre-Wetting Operations BEET HEET; Brine |
| Grayslake | No/No Only a Liability Manual | Yes | Yes - Annually Standard Rate: 400lbs/ lane mile | 2,500 | Yes - 38% on average | Snow Operations are Outsourced/Contracted for Roadways Grayslake Performs Winter Maintenance on Sidewalks & Parking Lots Pre-Wetting Operations; Beet Juice |
| Green Oaks | No/No | No | N/A | N/A | N/A | N/A |
| Gurnee | Yes/ Yes Online | Yes | Yes - Annually Standard Rate: 300lbs/ lane mile | 2,800 | Yes, averaging 40% | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Super Mix: (CaCl, Salt Brine, Geo-Melt) |

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|-----------------------|---|--|--|-----------------------------------|------------------------------------|---|
| Hainesville | No/No | Yes | No | 175 | Yes - 50% reduction | Anti-Icing Used Before A Winter Storm Pre-Wetting Operations Beet Juice |
| Hawthorn Woods | Yes/ Yes Updated annually and approved by Village Board | Yes | Yes - semi-annually Set Application Rates for each storm | 900 | Yes - 50% reduction | Anti-Icing Used Before A Winter Storm (Pre-Salt) Calcium Chloride; NaCl |
| IDOT | Yes/ Yes Online | Yes | Yes - Annually Standard Rate: 100- 350lbs/ lane mile | 220,000 | Yes - 10% reduction | Anti-Icing Used Before A Winter Storm Pre-Wetting Operations Calcium Chloride; Super Mix |
| Illinois Tollway | No/No | Yes | Yes - Annually Standard Rate: 200- 300lbs/ lane mile | 3-year average 64,000 | Yes – Unknown reduction | Pre-wetting Operations Beet Heet, Calcium Chloride, Sand, Super Mix: (CaCl, Salt Brine, Geo-Melt) |
| Indian Creek | No/No | No | N/A | N/A | N/A | N/A |
| Kildeer | No/No | Yes | No | 700 | Yes - 15% reduction | Snow Operations Are Outsourced/Contracted Pre-Wetting Operations Calcium Chloride; Beet Juice |
| Lake Forest | Yes/No | Yes | N/A | 700 | N/A | Pre-Wetting Operations Salt Brine; Calcium Chloride, Blended Liquids |
| Lake Villa | No/No | Yes | No | 1,800 | N/A | Only Solid/Dry Deicing Products Do Use Beet Juice on Metra Sidewalks |
| Lake Villa Township | No/No | No | No | 1,750 (typically use only 80%) | Yes | Only Solid/Dry Deicing Products Beet Juice (Metra Sidewalks) |
| Lake Zurich | Yes/Yes Available upon request | Yes | Yes - temperature dependent; Standard Rate: 200- 600lbs/ lane mile | N/A | Yes | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Liquid De-Icers Used for Anti-Icing & Pre-Wetting Applications |
| LCDOT | Yes/Yes | Yes | Yes - Annually Standard Rate: 200- 400lbs/ lane mile | 14,000 | Yes - 13% reduction (min.) | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations BEET HEET, Salt Brine <i>Alternative Liquid Deicers are Continually Reviewed & Analyzed</i> |
| Libertyville | Yes/No | Yes | Yes, Standard Rate: 250lbs/ lane mile | N/A | N/A | Salt & Sand Mixture |
| Libertyville Township | No/No | Yes | Yes - Annually | 800 | Yes - 30% reduction | Only Solid/Dry Deicing Products Calcium Chloride |

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|--|--|--|--|------------------------------------|--|---|
| Lincolnshire | Yes/ Yes (PDF) | Yes | Yes | 600 | Yes - 30% reduction | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations BEET HEET; Calcium Chloride; Beet Juice; Super Mix |
| Lindenhurst | Yes/No | Yes | Yes | Approx. 850 | Yes - reduced salting operations in roadways | Anti-Icing Used Before A Winter Storm Pre-Wetting Operations Salt Brine, Calcium Chloride, & a Biodegradable Agricultural By-Product (Beet) |
| Long Grove | No/No | No | N/A | N/A | N/A | N/A |
| Mettawa | No/No | Yes | N/A | N/A | N/A | N/A |
| Mundelein | Yes/Yes | Yes | Yes Standard Rate: 200lbs/ lane mile | N/A | N/A | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Calcium Chloride; Sand |
| Newport Township | No/No | Yes | Yes - Annually Set Appl. Rates | 180 | Yes - 20% reduction | Anti-Icing Used Before a Winter Storm Sand |
| Northbrook | Yes/No | Yes | Yes | N/A | N/A | Anti-Icing Used Before a Winter Storm Sand |
| Northfield Township - Cook County | Yes/Yes Online | Yes | Yes - Annually Standard Rate: 250lbs/ lane mile | 800 | Yes - 15% reduction | Anti-Icing Used Before a Winter Storm Only Solid/Dry Deicing Products |
| Old Mill Creek | No/No | No | N/A | N/A | N/A | N/A |
| Palatine | Yes/No | Yes | Yes – Every 3-5 yrs Standard Rate: 250lbs/ lane mile | 3,000 - 4,000 | Yes - 25% reduction | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Super Mix |
| Palatine Township- Cook County | Yes/No | No | N/A | N/A | N/A | N/A |
| Park City | No/No | Yes | N/A | N/A | N/A | N/A |
| Prospect Heights | Yes/Yes Available via FOIA | Yes | Yes - Annually Standard Rate: 200 - 300lbs/ lane mile | 700 | No | Only Solid/Dry Deicing Products |
| Riverwoods | No/No | No | Yes | Each Snow Event use roughly: 8 tns | N/A | Anti-Icing Used Before a Winter Storm Calcium Chloride |

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| Round Lake Beach | No/Yes Still as DRAFT | Yes | Yes - Annually Standard Rate: 300lbs/ lane mile | 1,000 - 2,000 | Yes - 20-30% reduction | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations BEET HEET |
| Round Lake Park | No/No | Yes | Manually | N/A | N/A | N/A |
| Salem - Kenosha Co. WI | Yes/Yes | No | N/A | N/A | N/A | N/A |
| Third Lake | No/ No In development | Yes - All Staff | Yes - Annually Set Appl. Rates | 800 | Yes | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Therma Point; Organic Blend |
| Vernon Hills | Yes/Yes | Yes | N/A | N/A | N/A | Brine; Calcium Chloride |
| Vernon Township | No/No | Yes | Yes - Annually Set Appl. Rates | 450 | Yes - 40% reduction | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Super Mix |
| Wadsworth | No/No | Yes | Yes - Annually Standard Rate: 300 lbs./lane mile | N/A | Yes - 20% reduction | Anti-Icing Used Before a Winter Storm |
| Warren Township | Yes/No | Yes | N/A | N/A | N/A | Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Brine; BEET HEET |
| Waukegan | No/No | Yes | Yes | N/A | N/A | Pre-Wetting Operations Use Sand as Well |
| Waukegan Township | Yes/No | No | Yes | N/A | N/A | Super Mix; Sand |
| West Deerfield Township | No/Yes | No | N/A | N/A | N/A | Anti-Icing Used Before a Winter Storm |
| Wheeling | No/Yes | Yes | Yes - Annually Set Appl. Rates | 1,000 | Yes - 20% reduction | Snow Operations Outsourced/Contracted Anti-Icing Used Before a Winter Storm Pre-Wetting Operations Brine |
| Wheeling Township | No/No | No | N/A | N/A | N/A | Snow Operations Outsourced/Contracted Only Solid/Dry Deicing Products |
| Zion | Yes/No | Yes | Yes - Annually | 2,200 | Unable to determine | Only Solid/Dry Deicing Products Calcium Chloride During Salt Shortage: Salt Treated Sand |

N/A = Not Answered